Work Order ID 5	66	74
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March 4, 2010 11:26:56 AM



Page 1

Item ID:

D412-742-043

Accept



Setup Start



**Revision ID:** 

Item Name:

Replacement Float Skidtube

**Start Date:** 

3/04/10

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID: Customer:** 

Reference:

Approvals:

**Process Plan:** 

Date:

**Tooling:** 

Date:

Run

Start

Stop

Stop

Required Date: 3/12/10

Date:

SPC (Y/N):

Accept

Reject Number

Insp.

Work Center ID

Operation Description Set Up/ Run Hours Draw Number

Draw Rev.

Date:

Plan Qty Code

Reject Qty

Stamp

**Draw Nbr** 

Sequence ID/

**Revision Nbr** 

D3391 Rev H

100

DOCUMENT CONTROL

DC

Memo

0.00

0.00

Document Control

If D412-742-043 is a W/O on it's own,

Photocopy bluefile and create labels per PPP D412-742-043 CHG004

Page 2

March 4, 2010 11:26:57 AM

Required Date: 3/12/10

Item ID:

D412-742-043

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

Replacement Float Skidtube

**Start Date:** 

3/04/10

**Start Oty: 1.00** 

**Req'd Qty:** 1.00



Date:

**Cust Item ID:** 

**Customer:** 

Reference:

А	nn	ro	va	ls:

Process Plan:

Date:

**Tooling:** 

SPC (Y/N):

Date:

Date:

Run

Start



Sequence ID/ **Work Center ID** 

110



HandFinish

Hand Finishing

Operation Description

Set Up/ **Run Hours** 0.00

Draw Number Draw Rev.

Plan Accept Code Oty

Reject Qty

Reject Number Stamp

Insp.

HandFinishing

Memo

0.00

1-Install tubes together and seal them all the way around using Sikaflex 241/291. Ensure tube ends line-up with saddle holes for proper alignment, using 7/16" "T" Pins.

A/R□□Sikaflex-241/-291□

Expiry date:□

MIIQHQQ

2-Install wearplates as per Dwg D3391. Ensure that plastic washers are against wearplate, then topped with the SS washer. Seal all bolts with sikaflex exept ones with inserts on inside of tube ,hand tighten only bolts with no sikaflex.

Expiry date:□

3-Remove "T" pins once sikaflex is dry.

4-Coat all exposed hardware with LPS Procyon. Remove any excess off with MEK degreaser.

A/R□□LPS Procyon□

Page 3

March 4, 2010 11:27:24 AM

Item ID:

D412-742-043

Accept



Setup Start

Stop



**Revision ID:** 

Replacement Float Skidtube Item Name:

**Start Date:** 

Required Date: 3/12/10

3/04/10

Start Qty: 1.00

**Req'd Qty:** 1.00

**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Date: Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop



Sequence ID/ **Work Center ID** 

120

QC

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours** 

Draw Number

Rev.

Plan Code

Reject Accept Qty Oty

Reject Number Stamp

Insp.

Memo

0.00

0.00

& iolailes

130

Packaging

Packaging

Packaging

Memo

Identify and pack for shipping as per PPP D412-742-043

Location:

PPP Rev:

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

US6677 165-3

WW.S.M

Picklist Prin	nt		:									Dogo (
March 4, 2010 11										•		Page 9
Work Order ID:	56674		*									<b>——</b>
Parent Item:	D412-742-043											C
Parent Item Name:	Replacemen	t Float Skid	tube	1 1 8 8 8 1 8	II 8188: II813 I;BI II5811 IBBI: 818		<b>48</b> 111 <b>81938</b> 1311 (1	B1	Sta	rt Date: 3	3/04/10	Required Date: 3/12/10
Comments:	IPP Rev B□06.0 IPP Rev:C 07- IPP Rev:D 07-				KJ/JLM□ .D EC JLM DD verified b		I		Sta	art Qty: 1	1.00	Required Qty: 1.00
AN3C4A    <b>                                  </b>		Pu	ırchased	No			110	Each	1,333.000	24.0000		
					Warehouse		Lo	c Qty	Loc Code			
					Location		1	20			<b>A</b> . 1	m-L 10/04/29
					Main Warehouse	M	1143				24X	m-r
					ST			1333				12/2/17/4
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					113121			64				_
					113226			344				_
					113644			294				_
					113749			100				_
AN3C6A 		Pu	ırchased	No	114103		110	500 Each	730.0000	12.0000		- 
					Warehouse		<u>L</u> c	c Oty	Loc Code			
					Location  Main Warehouse							
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												m.A 12/04/20

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DATE	STEP	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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David No.										
Part No		PAR #:								
	R	esolution:	Disposition	:	QA:	N/C Clo	sed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORM	MANCE	(NCR)				
DATE	STEP Description of NC Section A		Corrective Action				Verific	cation	ation Approval	Approval
DATE					on Description Sign & Date			Section C		QC Inspector
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Page 16

March 4, 2010 11:24:02 AM Work Order ID: 56674 Parent Item: D412-742-043 Parent Item Name: Replacement Float Skidtube **Start Date: 3/04/10** Required Date: 3/12/10 Comments: IPP Rev A□05.10.13□New Issue□ KJ/JLM□ Start Qty: 1.00 Required Oty: 1.00 IPP Rev B □ 06.02.13 □ ECN 773 dwg @ rev.D EC IPP Rev:C 07-05-28 As per Rev F JLM ECN 1072 IPP Rev:D 07-12-04 DD verified by:JLM AN3C7A Purchased No 110 493.0000 8.0000 Each BOLT Warehouse Loc Qty Loc Code Location Main Warehouse 1 . . . 1111111111 ST 493 105906 21 107376 252 113149 \ 220 AN960C10L No 110 Purchased 388.0000 44.0000 Each washer NAS1149C0332R Warehouse Loc Qty Loc Code N1 114341 Location **OFFSHORE** FG 100 103585 100 Main Warehouse ST 288 112116 128 112612 160 D3391-021 110 Manufactured No Each 0.0000 1.0000 3562Vb Fwd Tube Assembly

Dail Ac	ospace	Liu								
W/O:			WC	RK ORDER CHANG	GES					
DATE	STEP	PRO	OCEDURE CHA	NGE	E	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		PAR #:	Fault Cate	gory:	_ NCR:	A:				
<del></del>	R	esolution:	Dispositio	າ:	QA: N	/C Clo	sed:		Date: _	
NCR:		,	WORK ORDI	ER NON-CONFORM	ANCE (	NCR)				
DATE	Description of NC		Description of NC Corrective Action			Section B		cation	Approval	Approval
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March 4, 2010 11:24:08 AM

Page 13

Required Date: 3/12/10

Required Qty: 1.00

Work Order ID: 56674

Parent Item:

D412-742-043

Parent Item Name:

Replacement Float Skidtube

**Comments:** 

IPP Rev A□05.10.13□New Issue□

IPP Rev B□06.02.13□ECN 773 dwg @ rev.D

IPP Rev:C 07-05-28 As per Rev F

ECN 1072 IPP Rev:D 07-12-04

KJ/JLM□

EC JLM

DD verified by:JLM

D3391-023

Manufactured

Manufactured

No

110

Each

2.0000

1.0000

**Start Date: 3/04/10** 

Start Qty: 1.00

Mid Tube Assembly

	Warehouse		Loc	: Oty	Loc Code	
	<b>Location</b> Main Warehouse	ĺ	356	5496	)	
	ST			2		
	40522			1		
	53938			1		
No		^	110	Each	3.0000	1

.0000

D3391-025

Aft Tube Assembly

<u>Warehouse</u>	Loc Oty	Loc Code
Location	0 ~ / 0 1	à
Main Warehouse	B 5621	8
ST	3	_
39129	1	
48122	1	
54703	1	

		<del></del>			•							
W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAI	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No	:	PAR #:	Fault Cate	jory:	NCR:	Yes N	lo <b>DQ</b>	<b>A</b> :	_ Date: _			
		olution:										
NCR:		1	WORK ORDE	R NON-CONFORM	ANCE (	NCR)						
DATE	STEP Description of NC		ction B	0:	Verific	ation		Approval				
	Section A		Initial Action Descripti Chief Eng Chief Eng		on Sign & Date				Chief Eng	QC Inspector		
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March 4, 2010 11:24:08 AM

Required Date: 3/12/10

Required Qty: 1.00

Work Order ID: 56674

Parent Item:

**Comments:** 

D412-742-043

Parent Item Name:

Replacement Float Skidtube

IPP Rev B □ 06.02.13 □ ECN 773 dwg @ rev.D

IPP Rev:C 07-05-28 As per Rev F

IPP Rev A□05.10.13□New Issue□

IPP Rev:D 07-12-04

ECN 1072

Manufactured

No

KJ/JLM□

JLM

DD verified by:JLM

EC

110

Each

19.0000 1.0000

**Start Date: 3/04/10** 

Start Qty: 1.00

Wearshoe

D3564-1

Loc Oty	Loc Code	
	. •	
2		
2		
17		
1		
1		
15		IX M'h
		10/11/00
		W/04/29
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W/O:			WO	RK ORDER CHANGI	ES			<del> </del>	
DATE	STEP	PR	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	Part No: PAR #: _		Fault Categ	ory:	NCR: Ye	s No <b>DQ</b>	A:	Date:	
	Re	solution:	Disposition	•	QA: N/C	Closed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	OTED Descr	Description of NC		on B	Verifi	cation	Approval	Approval	
DAIL	STEP Section A		Initial Chief Eng	Action Description Chief Eng	Sigr Da	l&   Sect	tion C	Chief Eng	QC Inspector
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Page 🤣

Required Date: 3/12/10

Required Qty: 1.00

March 4, 2010 11:24:13 AM

Work Order ID: 56674

Parent Item:

D412-742-043

Parent Item Name: Replacement Float Skidtube

**Comments:** 

IPP Rev A□05.10.13□New Issue□

IPP Rev B□06.02.13□ECN 773 dwg @ rev.D

IPP Rev:C 07-05-28 As per Rev F

ECN 1072 IPP Rev:D 07-12-04

KJ/JLM 🗀

EC

JLM

DD verified by:JLM

46445

D3564-3

Manufactured

110

Each

20.0000 1.0000

**Start Date: 3/04/10** Start Qty: 1.00

Wearshoe

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
OFFSHORE			
FG	2		
33764	2		
Main Warehouse			
FP /	6		
50113	6		IX M.h 10/04/29
Main Warehouse			
FP19	11		
55489	. 11		
Main Warehouse			
ST	1		· · · · · · · · · · · · · · · · · · ·

W/O:		101	WC	RK ORDER CHANGE	<b>Š</b>	· · · · · · · · · · · · · · · · · · ·			
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
		solution:							
NCR:			WORK ORDI	ER NON-CONFORMAN	ICE (NCF	R)			
DATE	STED	Description of NC	<del></del>	Section B Vei			Approval	Approval	
DATE	STEP Description of NC Section A				Sign 8 Date	n & Section C		Chief Eng	QC Inspector
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								:	

Page (A)

March 4, 2010 11:24:14 AM

Work Order ID: 56674

Parent Item:

D412-742-043

Parent Item Name:

Replacement Float Skidtube

Comments:

IPP Rev A□05.10.13□New Issue□

IPP Rev B□06.02.13□ECN 773 dwg @ rev.D

IPP Rev:C 07-05-28 As per Rev F

IPP Rev:D 07-12-04 ECN 1072

KJ/JLM□ EC

JLM

DD verified by:JLM

**Start Date:** 3/04/10

Start Qty: 1.00

Required Date: 3/12/10

Required Qty: 1.00

D3564-5

Manufactured

No

110

Each

37.0000 1.0000

Wearshoe

Warehouse	Loc Qty	Loc Code	
Location O	7 - 1 - 1		/
OFFSHORE 155	75a5	-	12 Mil
FG	2		1x m-l 10/04/2
34806	2		W/041 a
Main Warehouse			
FP19 , -	33		·
51925 -	1		·
54772	7		_ <del></del>
55024	12		
55333	13		
Main Warehouse			
ST	2		
45824	1		
47433	1		

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W/O:			WO	RK ORDER CH	ANGES					
DATE	STEP	PRO	PROCEDURE CHANGE				Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	jory:	NC	R: Yes	No <b>DQ</b>	<b>\:</b>	Date: _	
Resolution:			Disposition: Q			QA: N/C Closed: Date:				
NCR:		,	WORK ORDE	R NON-CONFO	DRMANCE	(NCR	3)			, -,
DATE	0750	Description of NC	Corrective Action Sec				Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Descri	ption	Sign & Date	Section		Chief Eng	QC Inspector
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								<u> </u>		

March 4, 2010 11:24:19 AM

Required Date: 3/12/10

Required Qty: 1.00

Work Order ID: 56674

Parent Item:

D412-742-043

Parent Item Name:

Replacement Float Skidtube

**Comments:** 

IPP Rev A□05.10.13□New Issue□

IPP Rev B□06.02.13□ECN 773 dwg @ rev.D

IPP Rev:C 07-05-28 As per Rev F

IPP Rev:D 07-12-04

ECN 1072

KJ/JLM□

EC

JLM

DD verified by:JLM

D3566-1

Manufactured

No

110

Each

25.0000 2.0000

**Start Date: 3/04/10** Start Qty: 1.00

Gasket

Warehouse	Loc Qty	Loc Code	
<b>Location</b>	B57257		
Main Warehouse	D2 1831		QV MIL,
FP	20		2x m/2 10/64/29
52512	3		10/09/0
54480	1		
55011	1		
55320	. 15		·
Main Warehouse			
ST	5		
46349	1		
51218	1		
51259	3		

Dail Ac	Ospace	Liu							
W/O:			WO	RK ORDER CHANG	ES			,	
DATE	STEP	PRO	PROCEDURE CHANGE				Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
Resolution:			Disposition	QA: N/C Closed: Date:					
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC	Corrective Action Se		on B	Verifi	cation	Approval	Approval
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	&   Sect		Chief Eng	QC Inspector
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				<u> </u>					

March 4, 2010 11:24:19 AM

Required Date: 3/12/10

Required Oty: 1.00

Work Order ID: 56674

Parent Item:

D412-742-043

Parent Item Name:

Replacement Float Skidtube

Comments:

D3566-5

IPP Rev A□05.10.13□New Issue□

IPP Rev B□06.02.13□ECN 773 dwg @ rev.D As per Rev F

IPP Rev:C 07-05-28

ECN 1072 IPP Rev:D 07-12-04

Manufactured

No

KJ/JLM□

EC

JLM

DD verified by:JLM

110

Each

27.0000

1.0000

**Start Date: 3/04/10** 

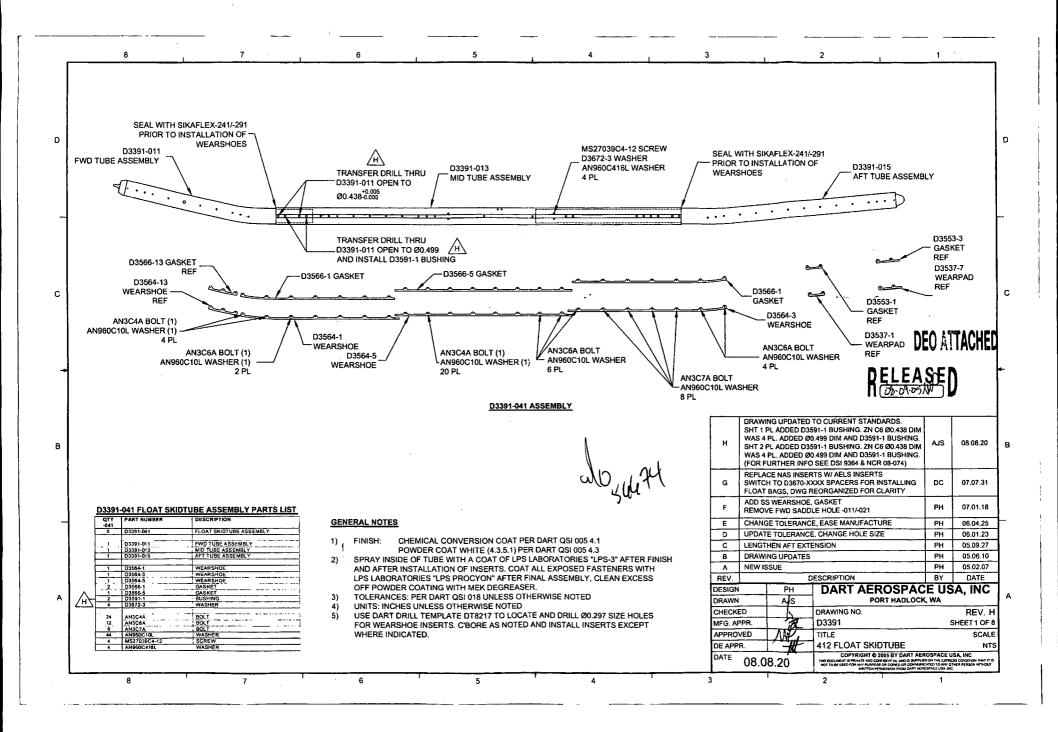
Start Qty: 1.00

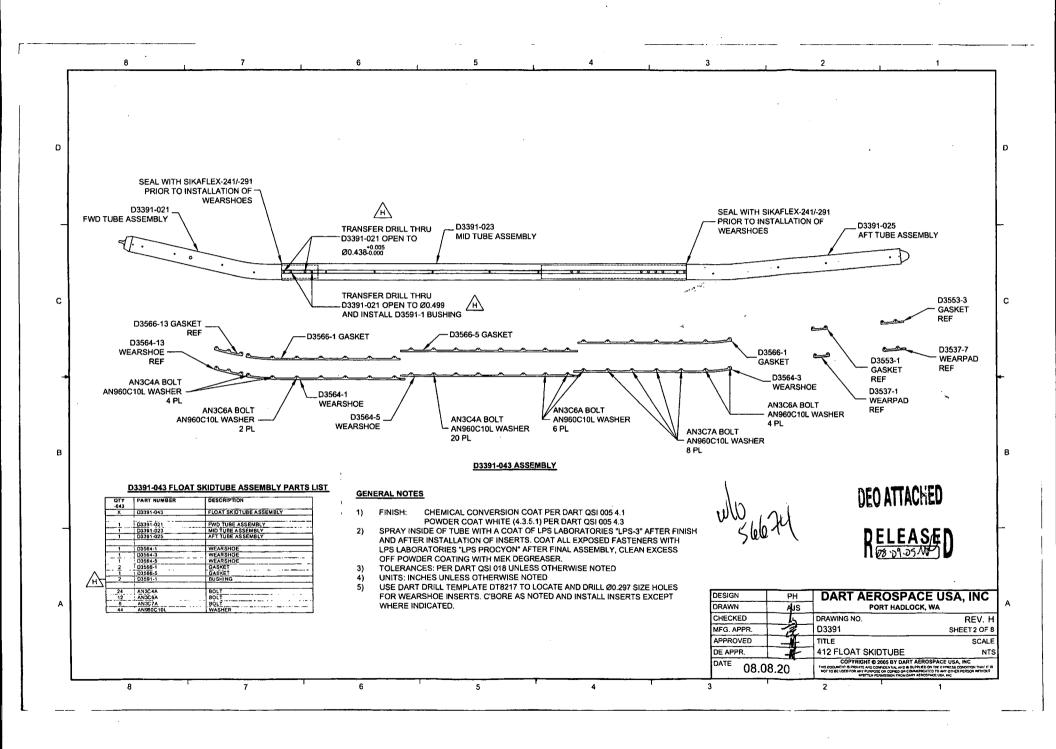
- 1 184 1118 2004 11181 4142 81118 4121 11888 1186 4121 1861

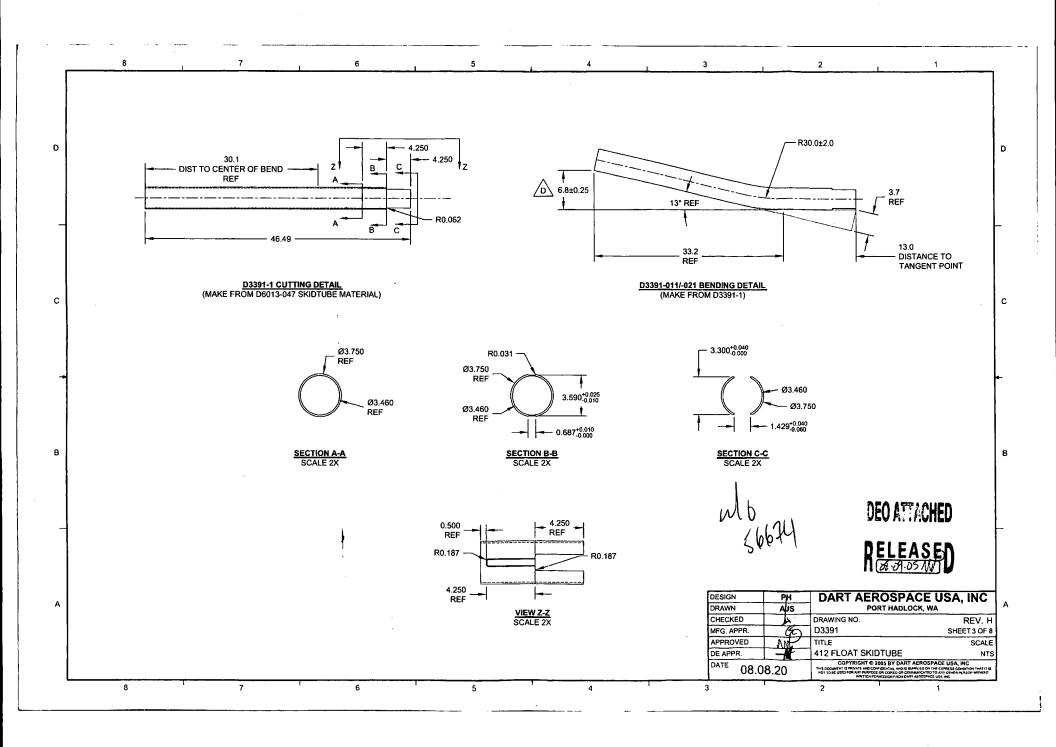
- 2 10001110 7000 11101 <b>2</b> 1110 01110 <b>3</b> 111 1111 1111 1111 1	Ш
Gasket	

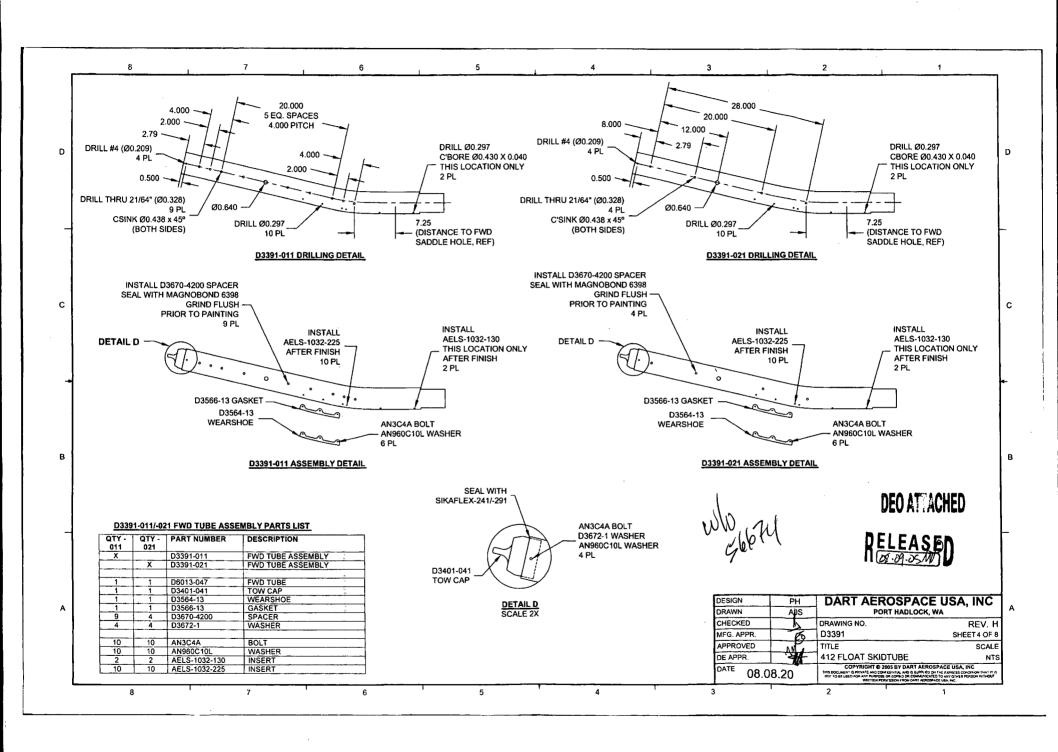
Warehouse	Loc Qty	Loc Code	
<b>Location</b>	B57526		/
Main Warehouse	031340		1x M.L.,
FP19	23		1X M. N. W/04/29
55026	11		
55335	12		
Main Warehouse			
ST	4		
36113	1		
46186	1		
47318	1		·
51260	1		

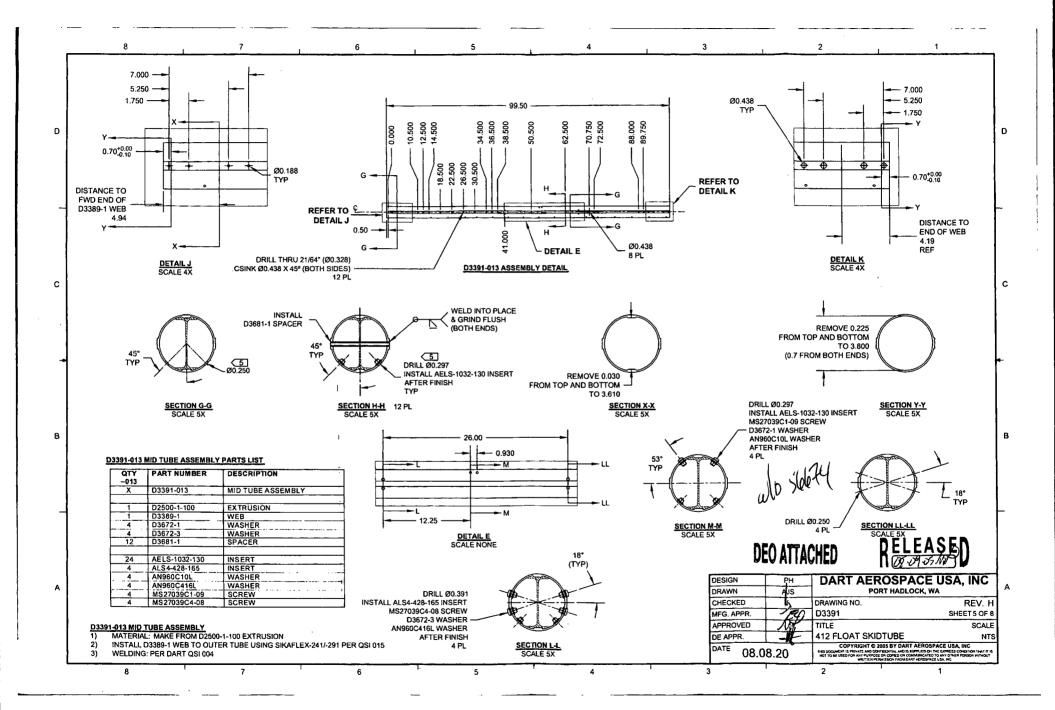
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DATE	STEP	PROCEDURE CHANGE B					Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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1,7 %									
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:	
Resolution:			Disposition	QA: N/C CI	QA: N/C Closed: Date:				
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCF	₹)			
DATE	STEP	Description of NC			Section B Ve		Verification Approval		Approval
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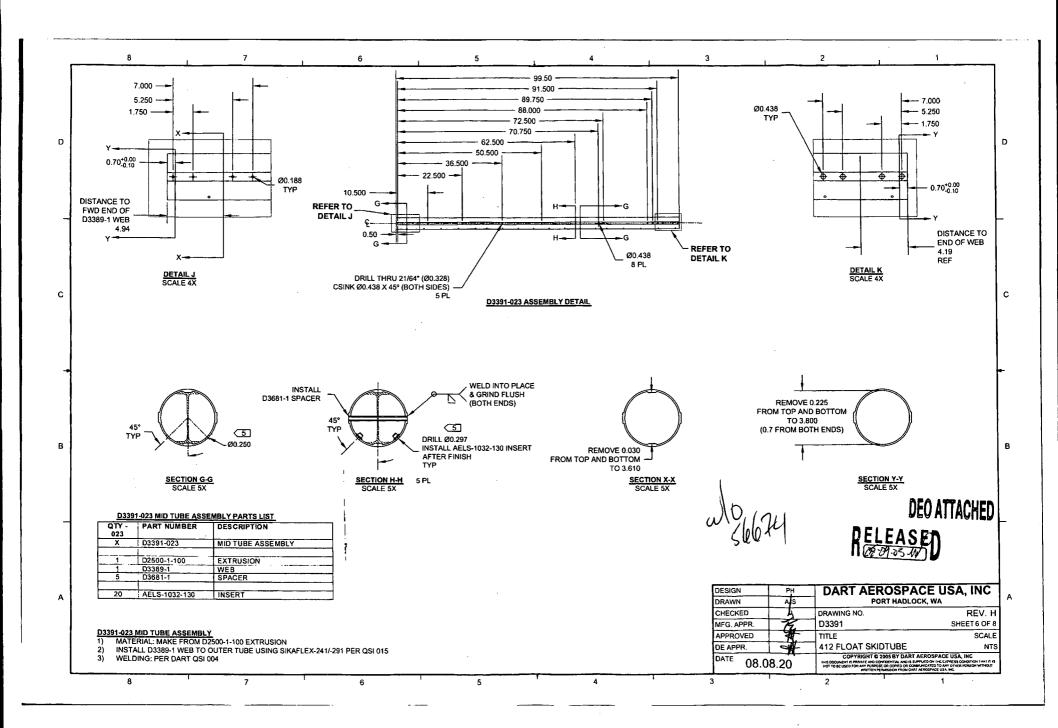


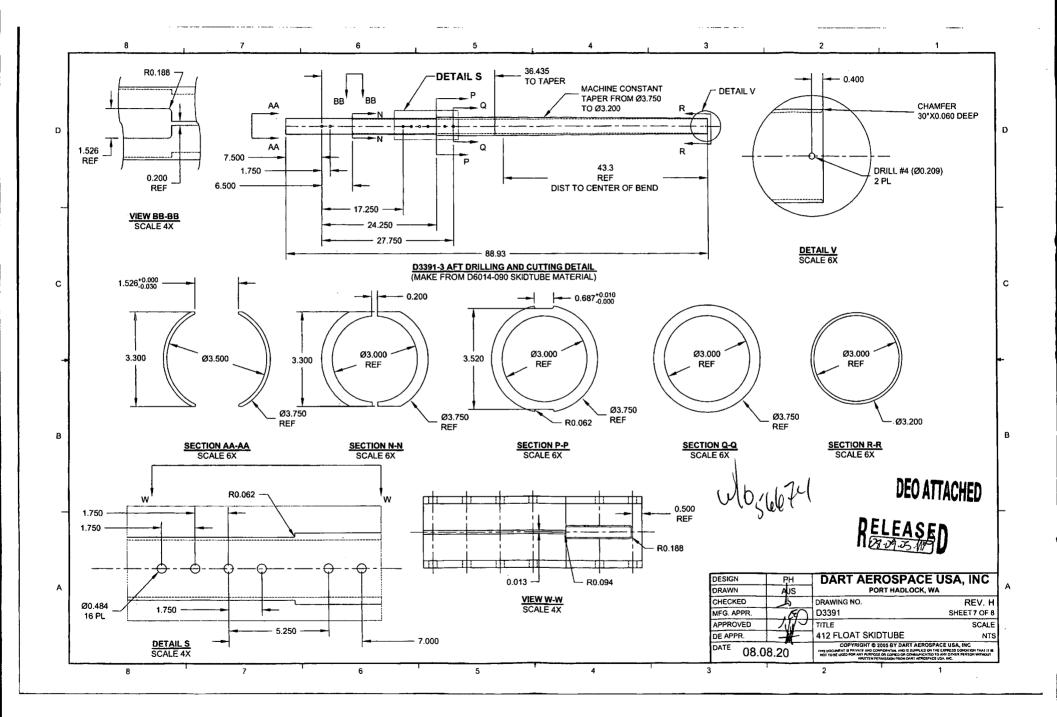


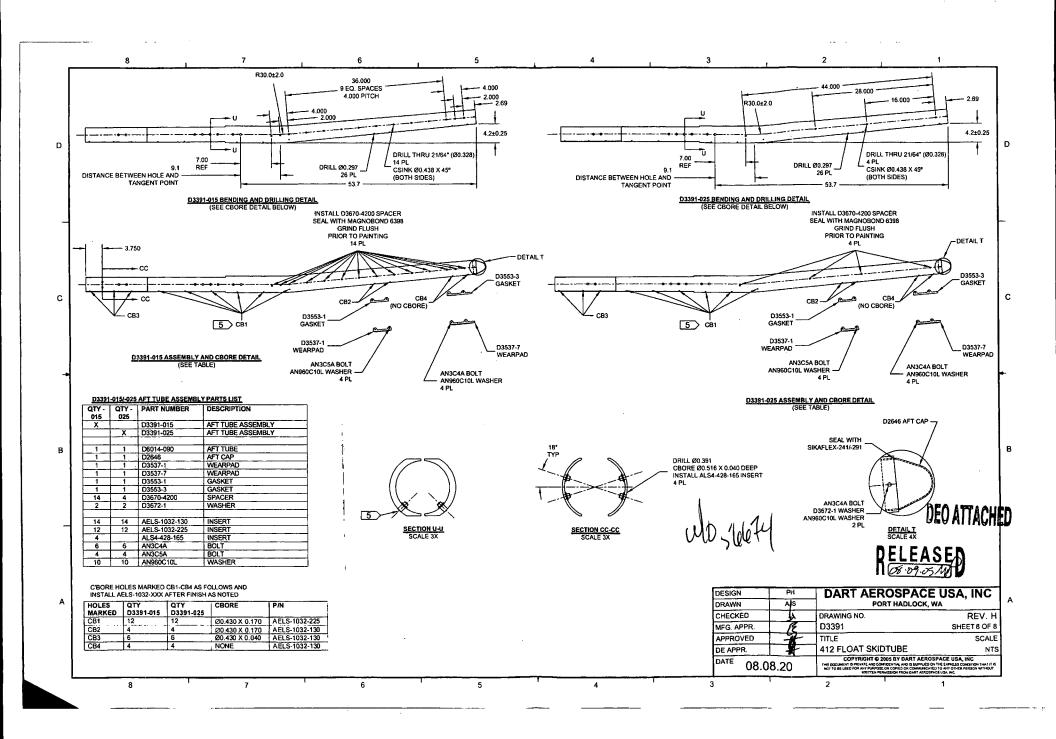












DRAWING	NO.	TITLE		REV. H	DART AEROS	PACE USA, II	NC D.E.O. NO.	SHEET NO.	SCALE
D3391		412 FLOAT	SKIDTUBE	,	ENGINEER	RING ORDER	D3391-H-1	SHEET 1 OF, 1	NTS
DRAWN	Ú.	7	CHECKED	<u>l</u>	MFG. APPR.	γ	APPROVED MAD	DE APPR.	
DATE	09.09	.23	DATE	04.04.24	DATE OF	109/25	DATE 09/09/30	DATE 09/09/3	<b>5</b>

#### **PURPOSE:**

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF D3391-041/-043 SKIDTUBES.

#### **CHANGE:**

AMEND NOTE 2 OF D3391-041/-043 SKIDTUBE ASSEMBLIES (ZN A6-1, A6-2) AS FOLLOWS:

2) SPRAY INSIDE OF TUBE WITH A COAT-OF-LPS LABORATORIES "LPS-3" AFTER FINISH-AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

DELEASED 2010 -02- 0 2

.AMP

No 36674